

Please amend Claim 9 as follows:

9. (Once Amended) A method of raising an animal, comprising feeding said animal material [microorganisms or extracted omega-3 HUFAs] selected from the group consisting of microorganisms of the genus Thraustochytrium or Schizochytrium in whole cell form [Thraustochytriales], lipids [omega-3 HUFAs] extracted from microorganisms of the genus Thraustochytrium or Schizochytrium [Thraustochytriales], and mixtures thereof [in an amount effective to increase the content of omega-3 HUFAs in said animal].

Please add the following claims 73-88:

73. A food product, comprising:

a) lipids extracted from a fermentation process for growing microorganisms selected from the group consisting of microorganisms of the genus *Thraustochytrium*, microorganisms of the genus *Schizochytrium* and mixtures thereof, wherein said microorganisms are capable of effectively producing lipids containing mixtures of omega-3 and omega-6 highly unsaturated fatty acids under conditions comprising:

i) salinity levels less salinity levels found in seawater;

ii) a temperature of at least about 15°C;

and

b) food material.

74. A food product, as claimed in Claim 73, wherein said food material is animal food.

75. A food product, as claimed in Claim 73, wherein said food material is human food.

Rule 1.126 4 56  
Sub D D  
A food product, as claimed in Claim 73, wherein  
said microorganisms have been cultured in a medium  
comprising a sodium concentration less than about 8.58 g/l.

Rule 1.126 5 57  
A food product, as claimed in Claim 73, wherein  
said microorganisms have been cultured in a medium  
comprising a sodium concentration less than about 4.61 g/l.

Rule 1.126 6 58  
A food product, as claimed in Claim 73, wherein  
said microorganisms are selected from the group consisting  
of *Schizochytrium* having the identifying characteristics of  
ATCC Accession No. 20888 and mutant strains derived  
therefrom, *Schizochytrium* having the identifying  
characteristics of ATCC Accession No. 20889 and mutant  
strains derived therefrom, *Thraustochytrium* having the  
identifying characteristics of ATCC Accession No. 20890 and  
mutant strains derived therefrom, *Thraustochytrium* having  
the identifying characteristics of ATCC Accession No. 20891  
and mutant strains derived therefrom, and *Thraustochytrium*  
having the identifying characteristics of ATCC Accession No.  
20892 and mutant strains derived therefrom.

Rule 1.126 7 59  
A food product, as claimed in Claim 73, further  
comprising an antioxidant added to a fermentation medium  
prior to harvesting of said microorganisms or added to said  
food product during post harvest process of said  
microorganisms.

Rule 1.126 8 60  
A food product, as claimed in claim 73, wherein  
said food product is packaged under non-oxidizing  
conditions.

Rule 1.126 9 61  
A food product, as claimed in claim 73, wherein  
said food product is extruded to reduce the amount of oxygen  
that reaches the omega-3 highly unsaturated fatty acid as  
compared to the amount of oxygen that would reach the omega-

- 5 3 highly unsaturated fatty acid in an analogous food product which has not been extruded.

10 ~~62~~ <sup>53</sup> 62. A food product, as claimed in claim 23, wherein said food material has an absence of a fishy odor.

~~63~~ <sup>63</sup> 63. A method, as claimed in Claim 17, wherein said seafood is shrimp.

~~64~~ <sup>63</sup> 64. A method, as claimed in Claim 83, wherein said material is microorganisms of the genus *Thraustochytrium* or *Schizochytrium* in whole cell form.

~~65~~ <sup>65</sup> 65. A method, as claimed in Claim 17, wherein said material is microorganisms of the genus *Thraustochytrium* or *Schizochytrium* in whole cell form.

~~66~~ <sup>18</sup> 66. A method, as claimed in Claim 18, wherein said material is microorganisms of the genus *Thraustochytrium* or *Schizochytrium* in whole cell form.

~~67~~ <sup>67</sup> 67. A process for raising an animal as claimed in Claim 9, wherein said microorganisms of the genus *Thraustochytrium* or *Schizochytrium* in whole cell form are in a form selected from the group consisting of a washed biomass, an acidified biomass, an acidified pasteurized or flash heated biomass or a dried biomass.

~~68~~ <sup>68</sup> 68. A process for raising an animal as claimed in Claim 9, wherein said material is mixed with a dry ground grain to lower the water content of the material.

#### REMARKS

The attached Figure 6 is being substituted for Figure 6 as originally filed with the application, because in the originally filed Figure 6 the bars representing total fatty acids and omega-3 highly unsaturated fatty acids were misplotted for ATCC Accession No. 20889. These particular bars were misplotted because a graphics plotting computer program was used to